

Application of Chih-Ta Star Sung - U.S. Application No. 10/712,138

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Reply and explanation of the differences to the Official Action summary

Claims of the present invention do not relate to the video compression, instead to the decompression and more specifically on block by block decompression by detecting the block to block correlation between target block and previous blocks.

The main differences of claims of the present invention and the cited prior arts of Owen et al. US 6028635 and Wee et al. US 6697061: This invention is in video decompression mainly for reducing the computing times of "VLD" + "Inverse DCT", while, the two prior arts of Owen et al. US 6028635 and Wee et al. US 6697061 both are in "Video Compression" and focusing on reducing times of accessing the reference memory frame buffer (US 6028635) and reducing the computing times of "Motion Estimation and/or DCT" (US 6697061) as listed in the table below.

	Sung et al. of the Present invention	Owen et al. US 6028635	Wee et al. US 6697061
Main features / Key points	Reducing times of computing "VLD" + "Inverse DCT"	Reducing time of saving frame to memory buffer "Re-compressing" the decompressed pixels	Reducing computing times of "Motion Estimation" for "Video Editing"